

COURSE LOCATION

Laboratorio Analisi e Ricerca di Fisiopatologia (LARF) - DIMES Sez. Patologia Generale, Via L. B. Alberti, 2 - Genova, Italy

SCIENTIFIC AND ORGANIZATIVE COMMITTEE

Anna Maria Bassi, Susanna Penco,
Sara Tirendi, Stefania Vernazza

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REGISTRATION

Updated course reserved for 24 participants. Minimum number of participants not less than 14.

Registration must be made online by **22.11.2018** on GGallery provider website www.gallerygroup.it/iscrizioni, filling in the relevant registration form and specifying if you have just knowledge of the basic techniques of cell cultures.

The registration fee includes congress kit, teaching material (paper and/or electronic) certificate of participation and coffee break Fee within 22.11.2018:

€ 250 (ECM, VAT included).
€ 150 (no ECM).

After 22.11.2018 : all the shares will be increased by € 30.

NB: a possible selection will be made based on the documented knowledge of the basic techniques of cell cultures.

Organizational Secretary- Provider ECM



info@ggallery.it - www.gallery.it

GGallery srl

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16122 Genova

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The course provides an update for training theoretical-practice of future researchers and those who do already research activity, to increase the use of alternative methods and the possibility of setting up new models scientifically valid, to replace those on animals.

The course is focused on how the new emerging technologies can strengthen interpretation and application of in vitro methods in research toxicology.

The Course includes a large training part where each single participant, under the guidance of qualified experts, can perform toxicity tests on 3D models of human reconstituted tissues, as required by European laws (i.e. REACH) and innovative scaffolds and technologies for 3-D cultures.

Participants will acquire new and updated skills to have a relapse on the laboratories that perform not only research but also analysis on issues related to risks to humans, animals and environment.

Official languages: Italian, English

Contributing Sponsor

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MatTek IN VITRO LIFE SCIENCE LABORATORIES

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4th Edition

Theoretical and Training Course

GIVE A MEANING TO SUBSTITUTIVE METHODS TO ANIMAL TESTING



Updating course

Genoa, 29-30 November 2018

20,3 Training Credits (ECM)

For professional profile of Surgeon, Vet, Biologist,
Chemist, Pharmacist and Biomedical Lab
Technician

29 November 2018

KEYNOTE SPEAKERS

| | |
|-----------------------------|--|
| Arti Ahluwalia | (Università of Pisa, I) |
| Anna Maria Bassi | (Università di Genoa, I) |
| Maria Grazia Cascone | (Università of Pisa, I) |
| Daniele Cei | (IVTech, Massarosa, Lu, I) |
| Massimo Di Donato | (Tebu-Bio s.r.l., Milan, I) |
| Helena Kandarova | (MatTek IVLSL, SK-Bratislava, SK) |
| Silvia Letasiova | (MatTek IVLSL, SK-Bratislava, SK) |
| Jan Markus | (MatTek IVLSL, SK-Bratislava, SK) |
| Daniela Monti | (Università of Pisa, I) |
| Paolo Milazzo | (Università of Pisa, I) |
| Lauri Paasonen | (UPM-Kymmene Oyj, FIN) |
| Laura Pastorino | (Università of Genova, I) |
| Costanza Rovida | (CAAT Europe, Università of Konstanz, GER) |
| Tommaso Sbrana | (IVTech, Massarosa, Lu, I) |
| Sonia Scarfi | (Università of Genoa, I) |
| Jane Spencer-Fry | (UPM-Kymmene Oyj, FIN) |
| Beatrice Ussia | (Euroclone, Milan, I) |

TUTORS

Sara Tirendi , Stefania Vernazza
(LARF-DIMES Università di Genova)

- 8.30 Registration of the participants
9.00 Welcome *Director of DIMES, Centro3R and Authorities*
9.30 Opening sessions *A.M. Bassi – S. Penco*
9.45 Towards implementation of the 3Rs in basic research and teaching in Italy: Centro 3R *A. Ahluwalia*
10.10 Development and validation of the EpiDerm in vitro skin irritation protocol for the evaluation of the medical devices extracts *S. Letasiova, H. Kandarova*
10.30 Setting up of Scaffolds for tissue engineering. *M.G.Cascone*

11.00 Coffee Break

- 11.20 Fluidic modules for advanced in-vitro models. *T. Sbrana*
11.40 GrowDex the natural choice for 3D cell culture applications *J. Spencer-Fry*

12.10 – 13.30 **TRAINING MODULES**

Block 1 Scaffolds for tissue engineering *M..G Cascone*

✓ **Block 2 - step 1** Nanofibrillar cellulose hydrogel as support matrix for 2D and 3D cellular models

L. Paasonen

✓ **Block 3** Innovative monitoring cell culture *B. Ussia*

13.45 Lunch break

14.30 Silica-induced fibrosis: from early metazoans to human cell co-cultures. *S. Scarfi*

15.00 CytoSMART for monitoring cell culture- *B. Ussia*

15.20: Coffee break

15.45- 18.45 **TRAINING MODULES**

✓ **Block 4:** EpiDerm SIT-MD protocol for skin irritation testing of medical devices. *S. Letasiova*

✓ **Block 5:** Assessment of some 3D dynamic models.

D. Cei

30 November 2018

- 9.00 Reconstructed tissues for ocular research. *D. Monti*
9.30 A biomimetic scaffold for 3D functional neuronal networks. *L. Pastorino*
10.00 In silico approaches for the prediction of chemical toxicity. *P. Milazzo*
10.30 Human normal primary cells as in vitro models *M. Di Donato*

11.00 Coffee Break

- 11.30 The integrated project EU-ToxRisk and the case studies for read across approach. *C. Rovida*
12.00 Toxicology of 21st: substitutive approaches to animal testing for a predictive medicine. *A. M. Bassi*

- 12.30 EpiIntestinal – reconstructed 3D human small intestine model for prediction of gastrointestinal toxicity, drug absorption and more *J. Marcus, H. Kandarova*

13.00 Lunch break

14.00- 17.00 **TRAINING MODULES**

✓ **Block 6:** EpiIntestinal : a promising tool to model complex processes occurring in small intestine.

J. Markus

✓ **Block 2 - step 2** Nanofibrillar cellulose hydrogel as support matrix for 2D and 3D cellular models.

L. Paasonen

✓ **Block 3 step 2** Innovative monitoring cell culture.

B. Ussia

17.00 Coffee break

- 17.20 Learning Check
17.30 Round table (speakers and participants)
18.00 **Closing remarks**